

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	231372	("73").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/05 20:15
L2	4	(position displacement movement) with (sensor transducer) same piston and (speed rate velocity) with (piston displace\$4) and (dispen\$3) and (paste liquid) and L1 and limit with (maximum minimum upper lower)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/05 20:19
L3	5	(position displacement movement) with (sensor transducer) same piston and (speed rate velocity) with (piston displace\$4) and (dispen\$3) and (paste liquid) and limit with (maximum minimum upper lower) with (rate speed velocity) same (piston position displacement movement) not 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/05 20:20
L6	31	(US-20060012062-\$ or US-20070102459-\$ or US-20050150901-\$ or US-20070033984-\$ or US-20070161970-\$).did. or (US-4543649-\$ or US-6109881-\$ or US-RE29495-\$ or US-5526674-\$ or US-7124608-\$ or US-6315161-\$ or US-4938054-\$ or US-6722261-\$ or US-6565333-\$ or US-RE31432-\$ or US-4781066-\$ or US-6848323-\$ or US-6817252-\$ or US-5921437-\$ or US-3756456-\$ or US-6739485-\$ or US-5054650-\$ or US-6973936-\$ or US-5736105-\$ or US-4475666-\$ or US-6938504-\$ or US-6254832-\$ or US-4478775-\$ or US-6742993-\$).did. or (GB-2244337-\$).did. or (DE-4130295-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/08/05 21:15
L7	5	6 and ("LVDT" linear adj variable with differential)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/08/05 21:16
S1	230697	("73").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/20 09:49

## EAST Search History

S2	6	"707812".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/20 09:45
S3	2	US-4662540-\$ DID. OR US-4700870-\$ DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/20 09:48
S4	1	US-5182938-\$ DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/20 09:49
S5	1	US-RE37553-\$ DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/20 09:49
S6	43	S1 and (position displacement movement) with (sensor transducer) same piston and (speed rate velocity) with (piston displace\$4) and (dispen\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/20 09:59
S7	394	(position displacement movement) with (sensor transducer) same piston and (speed rate velocity) with (piston displace\$4) and (dispen\$3) not S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/20 10:03
S8	355	S7 and (position location) with piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/20 10:00
S9	234	(position displacement movement) with (sensor transducer) same piston and (speed rate velocity) with (piston displace\$4) and (dispen\$3) and (paste liquid) not S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:36
S10	20	("2121120"   "2326637"   "2743429"   "2985018"   "3237150"   "4008455"   "4210969"   "4228530"   "4229798"   "4254482"   "4470299"   "4542652"   "4543649"   "4606015"   "4781066").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/20 10:22
S11	28	("4938054").URPN.	USPAT	OR	ON	2007/06/20 10:32
S12	74	(73/1.19).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/20 10:39

## EAST Search History

S13	24	(73/1.21).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/20 10:42
S14	42	(73/1.23).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/20 10:44
S15	223	(73/239).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/20 10:54
S16	289	(73/861.47).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/20 10:54
S17	24	(73/1.21).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/20 17:32
S18	289	(73/861.47).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/20 17:32
S19	74	(73/1.19).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/20 17:32
S20	223	(73/239).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/20 17:32
S21	42	(73/1.23).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/20 17:32
S22	1	(S17 S18 S19 S20 S21) and (compression pressure) with (signal measure value) with (change difference) same (release stopped ended)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/20 17:34

## EAST Search History

S23	7	("RE31432").URPN.	USPAT	OR	ON	2007/06/20 17:53
S24	14	("2892346"   "3098382"   "3125879"   "3273375"   "3463004"   "3492856"   "3673851"   "3877287").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/20 17:54
S25	20	("2121120"   "2326637"   "2743429"   "2985018"   "3237150"   "4008455"   "4210969"   "4228530"   "4229798"   "4254482"   "4470299"   "4542652"   "4543649"   "4606015"   "4781066").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/20 17:55
S26	23	(US-20050150901-\$ or US-20070033984-\$ or US-20060012062-\$ or US-20070102459-\$).did. or (US-3756456-\$ or US-4938054-\$ or US-5526674-\$ or US-4781066-\$ or US-7124608-\$ or US-6109881-\$ or US-6973936-\$ or US-6739485-\$ or US-6565333-\$ or US-6315161-\$ or US-4543649-\$ or US-6848323-\$ or US-5054650-\$ or US-6817252-\$ or US-6722261-\$ or US-RE29495-\$ or US-RE31432-\$).did. or (GB-2244337-\$).did. or (DE-4130295-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/06/20 18:01
S27	8	S26 and (reference stored adj value limit) with (speed rate velocity)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/06/20 18:01
S28	2	US-6938504-\$	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/06/20 18:02
S29	15	("20020052702"   "4448058"   "4715214"   "4743228"   "5182938"   "5463895"   "5488854"   "5488874"   "5503036"   "5537880"   "5540081"   "5992229"   "6094966"   "6121049"   "6370942").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/20 18:02
S30	0	("6938504").URPN.	USPAT	OR	ON	2007/06/20 18:04
S31	131	(position displacement movement) with (sensor transducer) same piston and (speed rate velocity) with (piston displace\$4) and (aspirate aspiration aspirat\$3) and (paste liquid fluid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/20 18:13
S32	230697	("73").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/20 18:13

## EAST Search History

S33	6	S31 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/20 18:13
S34	83	("4475666").URPN.	USPAT	OR	ON	2007/06/20 18:15
S35	83	("4475666").URPN.	USPAT	OR	ON	2007/06/20 18:21
S36	23	(US-20050150901-\$ or US-20070033984-\$ or US-20060012062-\$ or US-20070102459-\$).did. or (US-3756456-\$ or US-4938054-\$ or US-5526674-\$ or US-4781066-\$ or US-7124608-\$ or US-6109881-\$ or US-6973936-\$ or US-6739485-\$ or US-6565333-\$ or US-6315161-\$ or US-4543649-\$ or US-6848323-\$ or US-5054650-\$ or US-6817252-\$ or US-6722261-\$ or US-RE29495-\$ or US-RE31432-\$).did. or (GB-2244337-\$).did. or (DE-4130295-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/06/22 15:22
S37	8	S36 and (reference stored adj value limit) with (speed rate velocity)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/06/22 15:22
S38	230754	("73").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/22 15:24
S39	394	(position displacement movement) with (sensor transducer) same piston and (speed rate velocity) with (piston displace\$4) and (dispen\$3) not S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/22 15:24
S40	355	S39 and (position location) with piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/22 15:26
S41	11	S40 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/22 15:26

## EAST Search History

S42	231340	("73").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/01 12:13
S43	236	(position displacement movement) with (sensor transducer) same piston and (speed rate velocity) with (piston displace\$4) and (dispen\$3) and (paste liquid) not S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 12:11
S44	39	(position displacement movement) with (sensor transducer) same piston and (speed rate velocity) with (piston displace\$4) and (dispen\$3) and (paste liquid) and S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 12:12
S45	0	("73").CLAS.	IBM_TDB	OR	OFF	2007/08/01 12:13
S46	29	(US-20060012062-\$ or US-20070102459-\$ or US-20050150901-\$ or US-20070033984-\$ or US-20070161970-\$).did. or (US-4543649-\$ or US-6109881-\$ or US-RE29495-\$ or US-5526674-\$ or US-7124608-\$ or US-6315161-\$ or US-4938054-\$ or US-6722261-\$ or US-6565333-\$ or US-RE31432-\$ or US-4781066-\$ or US-6848323-\$ or US-6817252-\$ or US-5921437-\$ or US-3756456-\$ or US-6739485-\$ or US-5054650-\$ or US-6973936-\$ or US-5736105-\$ or US-4475666-\$ or US-6938504-\$ or US-6254832-\$).did. or (GB-2244337-\$).did. or (DE-4130295-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/08/01 15:35
S47	18	(position displacement movement) with (sensor transducer) same piston and (speed rate velocity) with (piston displace\$4) and (dispen\$3) and (paste liquid) and S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/02 15:10

## EAST Search History

S48	29	(US-20060012062-\$ or US-20070102459-\$ or US-20050150901-\$ or US-20070033984-\$ or US-20070161970-\$).did. or (US-4543649-\$ or US-6109881-\$ or US-RE29495-\$ or US-5526674-\$ or US-7124608-\$ or US-6315161-\$ or US-4938054-\$ or US-6722261-\$ or US-6565333-\$ or US-RE31432-\$ or US-4781066-\$ or US-6848323-\$ or US-6817252-\$ or US-5921437-\$ or US-3756456-\$ or US-6739485-\$ or US-5054650-\$ or US-6973936-\$ or US-5736105-\$ or US-4475666-\$ or US-6938504-\$ or US-6254832-\$).did. or (GB-2244337-\$).did. or (DE-4130295-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/08/02 15:11
S49	4	(position displacement movement) with (sensor transducer) same piston and (speed rate velocity) with (piston displace\$4) and (dispen\$3) and (paste liquid) and S48 and limit with (maximum minimum upper lower)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/05 20:15
S50	29	(US-20060012062-\$ or US-20070102459-\$ or US-20050150901-\$ or US-20070033984-\$ or US-20070161970-\$).did. or (US-4543649-\$ or US-6109881-\$ or US-RE29495-\$ or US-5526674-\$ or US-7124608-\$ or US-6315161-\$ or US-4938054-\$ or US-6722261-\$ or US-6565333-\$ or US-RE31432-\$ or US-4781066-\$ or US-6848323-\$ or US-6817252-\$ or US-5921437-\$ or US-3756456-\$ or US-6739485-\$ or US-5054650-\$ or US-6973936-\$ or US-5736105-\$ or US-4475666-\$ or US-6938504-\$ or US-6254832-\$).did. or (GB-2244337-\$).did. or (DE-4130295-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/08/05 12:34
S51	4	(position displacement movement) with (sensor transducer) same piston and (speed rate velocity) with (piston displace\$4) and (dispen\$3) and (paste liquid) and S50 and limit with (maximum minimum upper lower)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/03 12:55

## EAST Search History

S52	2	(position displacement movement) with (sensor transducer) same piston and (speed rate velocity) with (piston displace\$4) and (dispen\$3) and (paste liquid) and S50 and control with (maximum minimum upper lower)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/03 12:53
S53	46	("2851997"   "3015768"   "3410301"   "3434690"   "3464627"   "3555970"   "3643699"   "3666141"   "3724720"   "3757823"   "3779426"   "3817150"   "3827603"   "3901266"   "3924840"   "3945399"   "3961608"   "4013037"   "4066188"   "4084539"   "4133511"   "4164001"   "4232517"   "4246969"   "4301944"   "4360132"   "4392366"   "4430886"   "4464976"   "4465212"   "4472967"   "4478775"   "4613059"   "4614300"   "4662540"   "4667852"   "4678100"   "4700205"   "4711379"   "4724864"   "4878598").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/03 12:54
S54	5	S53 and limit with (maximum minimum upper lower)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/03 12:55
S55	2	US-4662540-\$ DID. OR US-4700870-\$ DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/05 12:34
S56	1	US-5182938-\$ DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/05 12:34
S57	1	(US-RE37553-\$ ).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/08/05 12:35
S58	6	"707812".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/05 12:36